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All in a spin - An overview of muon spectroscopy

Muon spectroscopy for condensed matter research has become a mainstream technique since its inception from an applied particle physics method only practised by a small number of specialists. It is now utilized by a wide user-base of scientists across the world. There are only four centres in the world, with one being the STFC ISIS facility in the UK. Recently, muon spectroscopy has provided invaluable information in a wide range of research areas such as: unconventional superconductivity, magnetism, semiconductors, ion diffusion, polymer dynamics and chemical reactions. In this talk I will give an overview of the technique and highlight some recent results.

